Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/05/2021 10:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124505	-1	2.19	124340	2.20
Blue	F	SSC	125000	124249	-1	3.85	124546	3.75
Blue	E	FITC	14400	13859	-4	2.79	319	15.09
Blue	D	PE	24713	24509	-1	2.23	560	10.48
Blue	B	PerCP-Cy5-5	31796	31102	-3	3.49	1030	14.26
Blue	A	PE-Cy7	21240	21041	-1	5.56	561	29.13
Red	C	APC	41319	41145	-1	3.31	1718	11.27
Red	A	APC-Cy7	21019	20385	-4	3.64	766	11.12
Violet	B	V450	7305	6978	-5	3.77	422	12.54
Violet	A	V500	28652	27389	-5	3.32	684	9.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23290	2.29	562	-7	N/A	N/A	Pass
Blue	F	SSC	57705	2.47	516	4	N/A	N/A	Pass
Blue	E	FITC	59	52.95	489	-2	0.0462	91	Pass
Blue	D	PE	117	35.73	487	0	0.4554	306	Pass
Blue	B	PerCP-Cy5-5	191	35.14	583	-1	0.0212	73	Pass
Blue	A	PE-Cy7	111	65.68	630	0	0.0217	0	Pass
Red	C	APC	397	23.22	573	0	0.0292	154	Pass
Red	A	APC-Cy7	172	26.77	543	-2	0.0075	1563	Pass
Violet	B	V450	58	60.89	453	-3	0.0547	1717	Pass
Violet	A	V500	98	33.12	467	-3	0.0262	687	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.62	-31.40	1.05
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.56	15.99 - 23.99	N/A	N/A	29.94	30.05	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9861

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments